Ali Kaveh

List of Publications by Year
in descending order

559 papers	16,495 citations	28274 55 h-index	30087 103 g-index
598 all docs	598 docs citations	598 times ranked	4836 citing authors

#	Article	IF	Citations
1	An open-source framework for the FE modeling and optimal design of fiber-steered variable-stiffness composite cylinders using water strider algorithm. Mechanics Based Design of Structures and Machines, 2023, 51, 138-158.	4.7	10
2	Discrete Structural Optimization with Set-Theoretical Jaya Algorithm. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2023, 47, 79-103.	1.9	2
3	Optimum Design of Castellated Beams Using Four Recently Developed Meta-heuristic Algorithms. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2023, 47, 713-725.	1.9	12
4	Stochastic paint optimizer: theory and application in civil engineering. Engineering With Computers, 2022, 38, 1921-1952.	6.1	53
5	Topology optimization of repetitive near-regular shell structures using preconditioned conjugate gradients method. Mechanics Based Design of Structures and Machines, 2022, 50, 1434-1455.	4.7	6
6	Domain decomposition of finite element models utilizing eight meta-heuristic algorithms: A comparative study. Mechanics Based Design of Structures and Machines, 2022, 50, 2616-2634.	4.7	6
7	Colliding bodies optimization with Morlet wavelet mutation and quadratic interpolation for global optimization problems. Engineering With Computers, 2022, 38, 2743-2767.	6.1	11
8	An enhanced shuffled Shepherd Optimization Algorithm for optimal design of large-scale space structures. Engineering With Computers, 2022, 38, 1505-1526.	6.1	7
9	A Multistage Damage Detection Approach Using Graph Theory and Water Strider Algorithm. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2022, 46, 33-54.	1.9	9
10	Plasma Generation Optimization for Optimal Design of Reinforced Concrete Cantilever Retaining Wall Structures. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2022, 46, 1177-1200.	1.9	4
11	An efficient hybrid approach based on Harris Hawks optimization and imperialist competitive algorithm for structural optimization. Engineering With Computers, 2022, 38, 1555-1583.	6.1	32
12	Guided Water Strider Algorithm for Structural Damage Detection Using Incomplete Modal Data. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2022, 46, 771-788.	1.9	17
13	Sustainable design of reinforced concrete frames with non-prismatic beams. Engineering With Computers, 2022, 38, 69-86.	6.1	10
14	An efficient derivative-free optimization algorithm inspired by avian life-saving manoeuvres. Journal of Computational Science, 2022, 57, 101483.	2.9	20
15	Improved arithmetic optimization algorithm and its application to discrete structural optimization. Structures, 2022, 35, 748-764.	3.6	49
16	Optimal Seismic Design of Asymmetrical-plan Steel Buildings with Composite Castellated Floor Systems. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2022, 46, 1969-1995.	1.9	2
17	Analysis of Tensegrity Rotationally Repetitive Space Structures Using the Substructuring Method. Practice Periodical on Structural Design and Construction, 2022, 27, .	1.3	1
18	Improved slime mould algorithm with elitist strategy and its application to structural optimization with natural frequency constraints. Computers and Structures, 2022, 264, 106760.	4.4	21

#	Article	IF	Citations
19	Optimal sensor placement in largeâ€scale dome trusses via Qâ€learningâ€based water strider algorithm. Structural Control and Health Monitoring, 2022, 29, .	4.0	12
20	A new framework for reliability-based design optimization using metaheuristic algorithms. Structures, 2022, 38, 1210-1225.	3.6	17
21	Comparison of Four Chaotic Meta-Heuristic Algorithms for Optimal Design of Large-Scale Truss Structures. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2022, 46, 4067-4091.	1.9	14
22	Multi-objective Billiards-Inspired Optimization Algorithm for Construction Management Problems. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2021, 45, 2177-2200.	1.9	7
23	Efficiency of Plasma Generation Optimization for Structural Damage Identification of Skeletal Structures Based on a Hybrid Cost Function. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2021, 45, 2069-2090.	1.9	10
24	Plasma generation optimization: a new physically-based metaheuristic algorithm for solving constrained optimization problems. Engineering Computations, 2021, 38, 1554-1606.	1.4	36
25	Optimal design of large-scale frames with an advanced charged system search algorithm using box-shaped sections. Engineering With Computers, 2021, 37, 2521-2541.	6.1	33
26	Efficient Graph-Theoretical Force Method: Wedge-Shaped Finite Element. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2021, 45, 1121-1138.	1.9	0
27	Shuffled Shepherd Optimization Method Simplified for Reducing the Parameter Dependency. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2021, 45, 1397-1411.	1.9	11
28	Size, Layout, and Topology Optimization of Skeletal Structures Using Plasma Generation Optimization. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2021, 45, 513-543.	1.9	10
29	Improved Shuffled Jaya algorithm for sizing optimization of skeletal structures with discrete variables. Structures, 2021, 29, 107-128.	3.6	38
30	Field of Forces Optimization. , 2021, , 145-166.		0
31	Cuckoo Search Optimization. , 2021, , 337-368.		0
32	Dolphin Echolocation Optimization. , 2021, , 167-207.		0
33	Imperialist Competitive Algorithm. , 2021, , 369-390.		0
34	Algorithm. , 2021, , 443-466.		0
35	Vibrating Particles System Algorithm. , 2021, , 527-555.		0
36	Thermal Exchange Metaheuristic Optimization Algorithm. , 2021, , 733-782.		5

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37	Water Evaporation Optimization Algorithm. , 2021, , 505-525.		0
38	Charged System Search Algorithm. , 2021, , 47-92.		0
39	Tug of War Optimization. , 2021, , 467-503.		0
40	Colliding Bodies Optimization. , 2021, , 209-248.		0
41	Ray Optimization Algorithm. , 2021, , 249-294.		0
42	Shuffled Shepherd Optimization Algorithm. , 2021, , 625-661.		4
43	Enhanced Colliding Bodies Optimization. , 2021, , 417-442.		0
44	Enhanced versions of the shuffled shepherd optimization algorithm for the optimal design of skeletal structures. Structures, 2021, 29, 1463-1495.	3.6	12
45	Design optimization of jacket offshore platform considering fatigue damage using Genetic Algorithm. Ocean Engineering, 2021, 227, 108869.	4.3	24
46	Quantum Teaching-Learning-Based Optimization algorithm for sizing optimization of skeletal structures with discrete variables. Structures, 2021, 32, 1798-1819.	3.6	17
47	Frequency-constrained optimization of large-scale dome-shaped trusses using chaotic water strider algorithm. Structures, 2021, 32, 1604-1618.	3.6	20
48	Optimal design of 3D special steel bucklingâ€restrained braced structures. Structural Design of Tall and Special Buildings, 2021, 30, e1893.	1.9	3
49	Optimal analysis for optimal design of cyclic symmetric structures subject to frequency constraints. Structures, 2021, 33, 3122-3136.	3.6	20
50	New enhanced colliding body optimization algorithm based on a novel strategy for exploration. Journal of Building Engineering, 2021, 43, 102553.	3.4	2
51	An enhanced Forensic-Based Investigation algorithm and its application to optimal design of frequency-constrained dome structures. Computers and Structures, 2021, 256, 106643.	4.4	23
52	An improved plasma generation optimization algorithm for optimal design of reinforced concrete frames under time-history loading. Structures, 2021, 34, 758-770.	3.6	4
53	Efficient analysis of block circulant structures. Structures, 2021, 34, 738-747.	3.6	5
54	Magnetic Charged System Search. , 2021, , 93-143.		0

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55	Modified Big Bang-Big Crunch Algorithm. , 2021, , 295-335.		0
56	Optimal Design of Large-Scale Frame Structures. , 2021, , 593-624.		1
57	Water Strider Optimization Algorithm and Its Enhancement. , 2021, , 783-848.		2
58	Advances in Metaheuristic Algorithms for Optimal Design of Structures. , 2021, , .		40
59	Algorithm. , 2021, , 691-731.		0
60	Chaos Embedded Metaheuristic Algorithms. , 2021, , 391-416.		4
61	Machine learning regression approaches for predicting the ultimate buckling load of variable-stiffness composite cylinders. Acta Mechanica, 2021, 232, 921-931.	2.1	106
62	A new VPS-based algorithm for multi-objective optimization problems. Engineering With Computers, 2020, 36, 1029-1040.	6.1	28
63	Hybrid Invasive Weed Optimization-Shuffled Frog-Leaping Algorithm for Optimal Design of Truss Structures. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2020, 44, 405-420.	1.9	27
64	Optimum design of three-dimensional steel frames with prismatic and non-prismatic elements. Engineering With Computers, 2020, 36, 1011-1027.	6.1	23
65	Sizing Optimization of Truss Structures with Continuous Variables by Artificial Coronary Circulation System Algorithm. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2020, 44, 1-20.	1.9	11
66	Different Discrete ACCS Algorithms for Optimal Design of Truss Structures: A Comparative Study. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2020, 44, 49-68.	1.9	1
67	Optimum Design of Tuned Mass Dampers Using Colliding Bodies Optimization in Frequency Domain. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2020, 44, 787-802.	1.9	16
68	Optimal design of planar RC frames considering CO2 emissions using ECBO, EVPS and PSO metaheuristic algorithms. Journal of Building Engineering, 2020, 28, 101014.	3.4	76
69	Simultaneously multi-material layout, and connectivity optimization of truss structures via an Enriched Firefly Algorithm. Structures, 2020, 27, 2217-2231.	3.6	16
70	Quantum evolutionary algorithm hybridized with Enhanced colliding bodies for optimization. Structures, 2020, 28, 1479-1501.	3.6	6
71	Black Hole Mechanics Optimization: a novel meta-heuristic algorithm. Asian Journal of Civil Engineering, 2020, 21, 1129-1149.	1.6	23
72	Optimal structural control of tall buildings using tuned mass dampers via chaotic optimization algorithm. Structures, 2020, 28, 2704-2713.	3.6	43

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73	Billiards-inspired optimization algorithm; a new meta-heuristic method. Structures, 2020, 27, 1722-1739.	3.6	64
74	Shuffled shepherd optimization method: a new Meta-heuristic algorithm. Engineering Computations, 2020, 37, 2357-2389.	1.4	87
75	Emergency management systems after disastrous earthquakes using optimization methods: A comprehensive review. Advances in Engineering Software, 2020, 149, 102885.	3.8	25
76	Optimal design of planar steel frame structures utilizing meta-heuristic optimization algorithms. Structures, 2020, 25, 335-346.	3.6	43
77	Water strider algorithm: A new metaheuristic and applications. Structures, 2020, 25, 520-541.	3.6	112
78	A set theoretical shuffled shepherd optimization algorithm for optimal design of cantilever retaining wall structures. Engineering With Computers, 2020, 37, 3265.	6.1	28
79	Set theoretical variants of the teachingâ€“learning-based optimization algorithm for optimal design of truss structures with multiple frequency constraints. Acta Mechanica, 2020, 231, 3645-3672.	2.1	17
80	Robust optimum design of a tuned mass damper inerter. Acta Mechanica, 2020, 231, 3871-3896.	2.1	44
81	Statistical seismic performance assessment of tuned mass damper inerter. Structural Control and Health Monitoring, 2020, 27, e2602.	4.0	59
82	Topology optimization of shear wall structures under seismic loading. Earthquake Engineering and Engineering Vibration, 2020, 19, 105-116.	2.3	15
83	Optimization of Egress in Fire Using Hybrid Graph Theory and Metaheuristic Algorithms. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2020, 44, 1039-1046.	1.9	4
84	An open-source computational framework for optimization of laminated composite plates. Acta Mechanica, 2020, 231, 2629-2650.	2.1	8
85	Seismic performance of steel structures retrofitted with optimal slack cable collapse prevention system. Journal of Building Engineering, 2020, 31, 101392.	3.4	2
86	Metaheuristic Optimization Algorithms in Civil Engineering: New Applications. Studies in Computational Intelligence, 2020, , .	0.9	24
87	Performance-Based Multi-objective Optimization of Large Steel Structures. Studies in Computational Intelligence, 2020, , 157-179.	0.9	3
88	Swift Analysis of Linear and Non-linear Structures and Applications Using Reanalysis. Studies in Systems, Decision and Control, 2020, , 201-245.	1.0	1
89	Static Analysis of Near-Regular Skeletal Structures: Additional Nodes. Studies in Systems, Decision and Control, 2020, , 87-122.	1.0	0
90	Colliding Bodies Optimization Algorithm for Structural Optimization of Offshore Wind Turbines with Frequency Constraints. Studies in Computational Intelligence, 2020, , 219-235.	0.9	1

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91	Geometry and Sizing Optimization of Steel Pitched Roof Frames. Studies in Computational Intelligence, 2020, , 99-114.	0.9	0
92	Optimization of Tower Crane Location and Material Quantity Between Supply and Demand Points. Studies in Computational Intelligence, 2020, , 259-288.	0.9	0
93	Static Analysis of Near-Regular Skeletal Structures: Additional Members. Studies in Systems, Decision and Control, 2020, , 43-86.	1.0	0
94	Optimal Seismic Design of Steel Plate Shear Walls Using CBO and ECBO Algorithms. Studies in Computational Intelligence, 2020, , 181-217.	0.9	2
95	Basic Concepts and Definitions of Symmetry and Regularity. Studies in Systems, Decision and Control, 2020, , 11-41.	1.0	0
96	Static Analysis of Nearly Regular Continuous Domains. Studies in Systems, Decision and Control, 2020, , 123-180.	1.0	1
97	Global Near-Regular Mechanical Systems. Studies in Systems, Decision and Control, 2020, , 247-263.	1.0	0
98	Optimum Stacking Sequence Design of Composite Laminates for Maximum Buckling Load Capacity. Studies in Computational Intelligence, 2020, , 9-50.	0.9	0
99	The Charged System Search Algorithm for Adaptive Node Moving Refinement in Discrete Least-Squares Meshless Method. Studies in Computational Intelligence, 2020, , 139-155.	0.9	0
100	Two-Stage Optimal Sensor Placement Using Graph-Theory and Evolutionary Algorithms. Studies in Computational Intelligence, 2020, , 115-137.	0.9	0
101	Analysis and optimal design of scissor-link foldable structures. Engineering With Computers, 2019, 35, 593-604.	6.1	10
102	Optimum stacking sequence design of composite laminates for maximum buckling load capacity using parameter-less optimization algorithms. Engineering With Computers, 2019, 35, 813-832.	6.1	23
103	Construction Site Layout Planning Problem Using Metaheuristic Algorithms: A Comparative Study. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2019, 43, 105-115.	1.9	12
104	Geometry and Sizing Optimization of Steel Pitched Roof Frames with Tapered Members Using Nine Metaheuristics. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2019, 43, 1-8.	1.9	15
105	An efficient two-stage method for optimal sensor placement using graph-theoretical partitioning and evolutionary algorithms. Structural Control and Health Monitoring, 2019, 26, e2325.	4.0	26
106	Chaos-based firefly algorithms for optimization of cyclically large-size braced steel domes with multiple frequency constraints. Computers and Structures, 2019, 214, 28-39.	4.4	54
107	Quantum evolutionary algorithm with rotational gate and $$H_epsilon $$-gate updating in real and integer domains for optimization. Acta Mechanica, 2019, 230, 2937-2961.	2.1	8
108	Colliding Bodies Optimization Algorithm. , 2019, , 113-121.		1

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109	Water Evaporation Optimization Algorithm. , 2019, , 137-152.		0
110	Thermal Exchange Optimization Algorithm. , 2019, , 179-190.		3
111	Metaheuristics: Outlines, MATLAB Codes and Examples. , 2019, , .		66
112	Optimum design of large steel skeletal structures using chaotic firefly optimization algorithm based on the Gaussian map. Structural and Multidisciplinary Optimization, 2019, 60, 879-894.	3.5	23
113	Charged System Search Algorithm. , 2019, , 79-96.		1
114	A New Nodal Stress Recovery Technique in Finite Element Method Using Colliding Bodies Optimization Algorithm. Periodica Polytechnica: Civil Engineering, 2019, , .	0.6	0
115	A New Two-Phase Method for Damage Detection in Skeletal Structures. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2019, 43, 49-65.	1.9	11
116	Frequencies of Some Near-Regular Structures: A Combined Graph Product and Bisection Method. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2019, 43, 159-170.	1.9	1
117	Hypotrochoid spiral optimization approach for sizing and layout optimization of truss structures with multiple frequency constraints. Engineering With Computers, 2019, 35, 1443-1462.	6.1	22
118	Robust design optimization of laminated plates under uncertain bounded buckling loads. Structural and Multidisciplinary Optimization, 2019, 59, 877-891.	3.5	32
119	Multi-objective colliding bodies optimization algorithm for design of trusses. Journal of Computational Design and Engineering, 2019, 6, 49-59.	3.1	35
120	Artificial Coronary Circulation System; A new bio-inspired metaheuristic algorithm. Scientia Iranica, 2019, .	0.4	4
121	Optimum Seismic Design of 3D Irregular Steel Frames Using Recently Developed Metaheuristic Algorithms. Journal of Computing in Civil Engineering, 2018, 32, .	4.7	17
122	Meta-heuristic Algorithms for Optimal Design of Real-Size Structures. , 2018, , .		51
123	Optimum Design of Double-layer Barrel Vaults by Lion Pride Optimization Algorithm and a Comparative Study. Structures, 2018, 13, 213-229.	3.6	15
124	Buckling load of laminated composite plates using three variants of the biogeography-based optimization algorithm. Acta Mechanica, 2018, 229, 1551-1566.	2.1	15
125	Optimal Design of Dome-Shaped Trusses. , 2018, , 101-122.		1
126	Optimal Design of Large-Scale Special Truss Structures. , 2018, , 45-63.		0

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127	Chaotic enhanced colliding bodies algorithms for size optimization of truss structures. Acta Mechanica, 2018, 229, 2883-2907.	2.1	17
128	Patient rule-induction method for liquefaction potential assessment based on CPT data. Bulletin of Engineering Geology and the Environment, 2018, 77, 849-865.	3.5	16
129	A new hybrid meta-heuristic algorithm for optimal design of large-scale dome structures. Engineering Optimization, 2018, 50, 235-252.	2.6	41
130	Structural damage identification using an enhanced thermal exchange optimization algorithm. Engineering Optimization, 2018, 50, 430-451.	2.6	71
131	Optimal design of nonlinear large-scale suspendome using cascade optimization. International Journal of Space Structures, 2018, 33, 3-18.	1.0	16
132	Optimal design of cyclically symmetric trusses with frequency constraints using cyclical parthenogenesis algorithm. Advances in Structural Engineering, 2018, 21, 739-755.	2.4	25
133	Improved GWO algorithm for optimal design of truss structures. Engineering With Computers, 2018, 34, 685-707.	6.1	83
134	Graph transformations for efficient structural analysis. Acta Mechanica, 2018, 229, 659-675.	2.1	2
135	Optimization of Building Components with Sustainability Aspects in BIM Environment. Periodica Polytechnica: Civil Engineering, 2018, , .	0.6	14
136	Comparison of four meta-heuristic algorithms for optimal design of double-layer barrel vaults. International Journal of Space Structures, 2018, 33, 115-123.	1.0	0
137	Performance of the Modified Dolphin Monitoring Operator for Weight Optimization of Skeletal Structures. Periodica Polytechnica: Civil Engineering, 2018, , .	0.6	3
138	Economic dispatch of power systems using an adaptive charged system search algorithm. Applied Soft Computing Journal, 2018, 73, 607-622.	7.2	50
139	Layout Optimization of Planar Braced Frames Using Modified Dolphin Monitoring Operator. Periodica Polytechnica: Civil Engineering, 2018, , .	0.6	2
140	Meta-heuristic methods for optimization of truss structures with vibration frequency constraints. Acta Mechanica, 2018, 229, 3971-3992.	2.1	20
141	Optimal Design of Double-Layer Barrel Vault Space Structures. , 2018, , 85-99.		1
142	Structural optimization of jacket supporting structures for offshore wind turbines using colliding bodies optimization algorithm. Structural Design of Tall and Special Buildings, 2018, 27, e1494.	1.9	18
143	Optimal Design of Double-Layer Domes Considering Different Mechanical Systems via ECBO. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2018, 42, 333-344.	1.9	5
144	Optimization Algorithms Utilized in This Book. , 2018, , 7-22.		0

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145	Optimal Seismic Design of 3D Steel Frames. , 2018, , 139-155.		3
146	Optimal Design of Double-Layer Grids. , 2018, , 65-83.		1
147	Optimal Design of Steel Lattice Transmission Line Towers. , 2018, , 123-137.		4
148	Optimal Design of Usual-Size Skeletal Structures. , 2018, , 23-44.		0
149	Nonlinear analysis of reinforced concrete membrane elements considering tension stiffening. Asian Journal of Civil Engineering, 2018, 19, 693-701.	1.6	0
150	A mesh free method using rectangular pre-solved domains using Kronecker products. Mechanics Based Design of Structures and Machines, 2017, 45, 92-110.	4.7	5
151	Optimal design of large-scale space steel frames using cascade enhanced colliding body optimization. Structural and Multidisciplinary Optimization, 2017, 55, 237-256.	3.5	42
152	Analysis and reanalysis of mechanical systems: concept of global near-regularity. Acta Mechanica, 2017, 228, 1445-1456.	2.1	8
153	Guided Modal Strain Energy-Based Approach for Structural Damage Identification Using Tug-of-War Optimization Algorithm. Journal of Computing in Civil Engineering, 2017, 31, .	4.7	29
154	Analysis of repetitive and near-repetitive structures by transformation to equivalent circulant structures. Engineering Computations, 2017, 34, 343-363.	1.4	4
155	A novel meta-heuristic optimization algorithm: Thermal exchange optimization. Advances in Engineering Software, 2017, 110, 69-84.	3.8	438
156	Cyclical Parthenogenesis Algorithm for guided modal strain energy based structural damage detection. Applied Soft Computing Journal, 2017, 57, 250-264.	7.2	46
157	Applications of Metaheuristic Optimization Algorithms in Civil Engineering. , 2017, , .		105
158	Optimal seismic design of 3D steel moment frames: different ductility types. Structural and Multidisciplinary Optimization, 2017, 56, 1353-1368.	3.5	18
159	Modification of Ground Motions Using Enhanced Colliding Bodies Optimization Algorithm. , 2017, , 213-234.		1
160	Damage Detection in Skeletal Structures Based on CSS Optimization Using Incomplete Modal Data. , 2017, , 201-211.		3
161	Optimal Analysis and Design of Large-Scale Domes with Frequency Constraints. , 2017, , 257-279.		7
162	Sizing Optimization of Skeletal Structures Using the Enhanced Whale Optimization Algorithm. , 2017, , 47-69.		11

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163	Optimal Design of the Monopole Structures Using the CBO and ECBO Algorithms. , 2017, , 185-199.		2
164	Bandwidth, Profile, and Wavefront Optimization Using CBO, ECBO, and TWO Algorithms. , 2017, , 235-256.		2
165	Optimum Design of Large-Scale Truss Towers Using Cascade Optimization. , 2017, , 281-295.		0
166	Vibrating Particles System Algorithm for Truss Optimization with Frequency Constraints. , 2017, , 297-317.		0
167	Cost and CO2 Emission Optimization of Reinforced Concrete Frames Using Enhanced Colliding Bodies Optimization Algorithm. , 2017, , 319-350.		17
168	Construction Site Layout Planning Using Colliding Bodies Optimization and Enhanced Colliding Bodies Optimization. , 2017, , 351-373.		1
169	Optimum Design of Multi-span Composite Box Girder Bridges Using Cuckoo Search Algorithm. , 2017, , 31-46.		3
170	Size and Geometry Optimization of Double-Layer Grids Using the CBO and ECBO Algorithms. , 2017, , 71-89.		0
171	Sizing and Geometry Optimization of Different Mechanical Systems of Domes via the ECBO Algorithm. , 2017, , 91-116.		1
172	Simultaneous Shapeâ€“Size Optimization of Single-Layer Barrel Vaults Using an Improved Magnetic Charged System Search Algorithm. , 2017, , 117-146.		1
173	Optimum Design of Steel Floor Systems Using ECBO. , 2017, , 165-184.		0
174	Optimum seismic design of steel frames considering the connection types. Journal of Constructional Steel Research, 2017, 130, 79-87.	3.9	20
175	New Model Derivation for the Bond Behavior of NSM FRP Systems in Concrete. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2017, 41, 249-262.	1.9	9
176	Enhanced Two-Dimensional CBO Algorithm for Design of Grillage Systems. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2017, 41, 263-273.	1.9	1
177	Advances in Metaheuristic Algorithms for Optimal Design of Structures. , 2017, , .		83
178	Tug of War Optimization. , 2017, , 451-487.		8
179	Optimal Design of Large-Scale Frame Structures. , 2017, , 573-602.		0
180	Cyclical parthenogenesis algorithm for layout optimization of truss structures with frequency constraints. Engineering Optimization, 2017, 49, 1317-1334.	2.6	30

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181	Global Sensitivity Analysis-Based Optimization Algorithm. , 2017, , 427-449.		1
182	Cyclical Parthenogenesis Optimization Algorithm. , 2017, , 541-572.		4
183	Multi-Objective Optimization of Truss Structures. , 2017, , 603-631.		1
184	Size and Geometry Optimization of Double-Layer Grids Using CBO and ECBO Algorithms. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2017, 41, 101-112.	1.9	5
185	Graph theoretical methods for efficient stochastic finite element analysis of structures. Computers and Structures, 2017, 178, 29-46.	4.4	13
186	Bandwidth, Profile and Wavefront Optimization Using PSO, CBO, ECBO and TWO Algorithms. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2017, 41, 1-12.	1.9	5
187	A Multistage Algorithm for Blood Banking Supply Chain Allocation Problem. International Journal of Civil Engineering, 2017, 15, 103-112.	2.0	25
188	Enhanced whale optimization algorithm for sizing optimization of skeletal structures. Mechanics Based Design of Structures and Machines, 2017, 45, 345-362.	4.7	168
189	Vibrating particles system algorithm for truss optimization with multiple natural frequency constraints. Acta Mechanica, 2017, 228, 307-322.	2.1	99
190	Modified Dolphin Monitoring Operator for Weight Optimization of Frame Structures. Periodica Polytechnica: Civil Engineering, 2017, , .	0.6	7
191	Cuckoo Search Optimization. , 2017, , 321-352.		4
192	Chaos Embedded Metaheuristic Algorithms. , 2017, , 375-398.		5
193	Vibrating Particles System Algorithm. , 2017, , 511-539.		2
194	Particle Swarm Optimization. , 2017, , 11-43.		17
195	Charged System Search Algorithm. , 2017, , 45-89.		2
196	Optimal seismic design of 3D steel moment frames: different ductility types. , 2017, 56, 1353.		1
197	A hybrid WOA-CBO algorithm for construction site layout planning problem. Scientia Iranica, 2017, .	0.4	14
198	Efficient multi-objective optimization algorithms for construction site layout problem. Scientia Iranica, 2017, .	0.4	9

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199	Enhanced vibrating particles system algorithm for damage identification of truss structures. Scientia Iranica, 2017, .	0.4	10
200	Ray Optimization Algorithm. , 2017, , 237-280.		2
201	Water Evaporation Optimization Algorithm. , 2017, , 489-509.		3
202	Modified Big Bangâ€“Big Crunch Algorithm. , 2017, , 281-320.		0
203	Natural Forest Regeneration Algorithm for Optimum Design of Truss Structures with Continuous and Discrete Variables. Periodica Polytechnica: Civil Engineering, 2016, 60, 257-267.	0.6	1
204	A Numerical Method for Eigensolution of Near-Regular Structural and Mechanical Systems. Periodica Polytechnica: Civil Engineering, 2016, 60, 247-255.	0.6	1
205	Optimal Design of the Monopole Structures Using the CBO and ECBO Algorithms. Periodica Polytechnica: Civil Engineering, 2016, , .	0.6	1
206	Optimal Design of Steel Towers Using a Multi-Metaheuristic Based Search Method. Periodica Polytechnica: Civil Engineering, 2016, 60, 229-246.	0.6	7
207	Optimum Design of Skeletal Structures Using PSO-Based Algorithms. Periodica Polytechnica: Civil Engineering, 2016, , .	0.6	2
208	Optimal Design of Double-Layer Barrel Vaults Using CBO and ECBO Algorithms. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2016, 40, 167-178.	1.9	14
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